

Declaration and Power of Attorney
Under Patent Cooperation Treaty
35 USC §371(c)(4)



As a below named inventor, I hereby declare that:

my residence, post office address and citizenship are as stated below next to my name; that

I verily believe that I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural names are named below) of the invention entitled: TRANSMISSION APPARATUS AND

TRANSMISSION METHOD

described and claimed in the international application number PCT/JP99/01682 filed March 31, 1999 and as amended on _____ (if any), the specification and claims of which I have reviewed and understand and for which I solicit a patent.

I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a), and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to my international application by me or my legal representatives or assigns, except as follows:

Japanese Patent Application No. 10-85706 filed March 31, 1998

3
The priority of the above applications (if any), filed within a year prior to my international application is hereby claimed under 35 USC 119. I hereby appoint the following as my attorneys of record with full power of substitution and revocation to prosecute this application and to transact all business in the patent office:

Roger W. Parkhurst, Reg. No. 25,177; Charles A. Wendel, Reg. No. 24,453; Lawrence D. Eisen, Reg. No. 41,009.

**ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO:
PARKHURST & WENDEL, L.L.P., 1421 PRINCE STREET, SUITE 210, ALEXANDRIA, VIRGINIA 22314-2805, TELEPHONE (703) 739-0220.**

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

3. Full Name of Sole or First Inventor Hideki KIRINO
Given Name Middle Initial Family Name
- *4. Inventor's Signature Hideki KIRINO
- Date of Signature Jan. 7, 2000
Month Day Year
6. Residence Ayauta-gun, Kagawa JPX Japan
City State or Province Country
7. Citizenship Japanese
8. Post Office address 56-5-C102, Hamagobancho, Utazucho, Ayauta-gun,
(Insert complete mailing address, including country) KAGAWA 769-0205 JAPAN

*IF THERE IS MORE THAN ONE INVENTOR USE PAGE 2 AND PLACE AN "X" HERE ☒.

PAGE 2 OF U.S.A. DECLARATION FORM
(Discard this page in a sole inventor application)

| | | | | |
|----|--|---|--|--|
| 3 | Typewritten Full Name of Second Joint Inventor (if any) | <u>2nd Tetsuo HIRAGA</u> Given Name Middle Initial Family Name | | |
| *4 | Inventor's Signature | <u>Tetsuo HIRAGA</u> | | |
| 5 | Date of Signature | <u>Jan. 7, 2000</u> Month Day Year | | |
| 6 | Residence | <u>Niihama-shi JPN Japan</u> City State or Province Country | | |
| 7 | Citizenship | <u>Japanese</u> | | |
| 8 | Post Office Address (Insert complete mailing address, including country) | <u>6-3-50, Syonaicho, Niihama-shi, EHIME 792-0811 JAPAN</u> | | |
| 3 | Typewritten Full Name of Third Joint Inventor (if any) | | | |
| | | Given Name Middle Initial Family Name | | |
| *4 | Inventor's Signature | | | |
| 5 | Date of Signature | | | |
| | | Month Day Year | | |
| 6 | Residence | | | |
| | | City State or Province Country | | |
| 7 | Citizenship | | | |
| 8 | Post Office Address (Insert complete mailing address, including country) | | | |
| 3 | Typewritten Full Name of Fourth Joint Inventor (if any) | | | |
| | | Given Name Middle Initial Family Name | | |
| *4 | Inventor's Signature | | | |
| 5 | Date of Signature | | | |
| | | Month Day Year | | |
| 6 | Residence | | | |
| | | City State or Province Country | | |
| 7 | Citizenship | | | |
| 8 | Post Office Address (Insert complete mailing address, including country) | | | |
| 3 | Typewritten Full Name of Fifth Joint Inventor (if any) | | | |
| | | Given Name Middle Initial Family Name | | |
| *4 | Inventor's Signature | | | |
| 5 | Date of Signature | | | |
| | | Month Day Year | | |
| 6 | Residence | | | |
| | | City State or Province Country | | |
| 7 | Citizenship | | | |
| 8 | Post Office Address (Insert complete mailing address, including country) | | | |

*Note to Inventors: Please sign name on line 4 exactly as it appears in line 3 and insert the actual date of signing on line 5.

**This form may be executed only when attached to the first page of the Declaration and Power of Attorney form and the specification (including claims) of the application to which it pertains.

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) Hideki KIRINO (5) _____
 (2) Tetsuo HIRAGA (6) _____
 (3) _____ (7) _____
 (4) _____ (8) _____

In consideration of the sum of dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) Insert name of Assignee (9) MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
 (10) Insert address of Assignee (10) 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 JAPAN

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

(11) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number (11) TRANSMISSION APPARATUS AND TRANSMISSION METHOD
 _____ (Case No. HYAE:093)

for which the undersigned has (have) executed an application for patent in the United States of America

(12) Insert Date of Signing of Application (12 on January 7, 2000)
 (13) Alternative identification for filed applications (13) U.S. application Serial Number 09/423,356
filed November 23, 1999

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grant(s) the firm of **PARKHURST & WENDEL, L.L.P.** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

| | |
|--------------------------|--|
| Date <u>Jan. 7, 2000</u> | Name of Inventor <u>Hideki KIRINO</u> (SEAL) |
| Date <u>Jan. 7, 2000</u> | Name of Inventor <u>Tetsuo HIRAGA</u> (SEAL) |
| Date _____ | Name of Inventor _____ (SEAL) |
| Date _____ | Name of Inventor _____ (SEAL) |
| Date _____ | Name of Inventor _____ (SEAL) |
| Date _____ | Name of Inventor _____ (SEAL) |
| Date _____ | Name of Inventor _____ (SEAL) |
| Date _____ | Name of Inventor _____ (SEAL) |

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. or (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

| | |
|--------------------------|----------------------------------|
| Date <u>Jan. 7, 2000</u> | Witness <u>Daisuke Akuzawa</u> |
| Date <u>Jan. 7, 2000</u> | Witness <u>Masanori Watanabe</u> |